AMERICAN UNIVERSITY OBSERVATORY

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JAN - 2 1957
WEATHER BUREAU

MONTHLY BULLETIN

METEOROLOGICAL SECTION

OWEN GINGERICH, DIRECTOR

GIORGIO CONTINO, ASSOCIATE DIRECTOR

BEIRUT, LEBANON

Latitude: 33° 54' 22" N.

Longitude: $2^h\ 21^m\ 52^s.7$ E.

AUGUST 1957

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AUGUST 1957

METEOROLOGICAL REGISTER

Date	Barometer reduced to O°C Sea level and 45° Latitude 700 mm. + ...				Thermometer Degrees Centigrade					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	55.7	55.4	54.9	55.3	32.3	25.4	29.9	31.2	27.4	29.5
2	55.0	54.5	54.8	54.8	32.1	25.2	29.4	31.6	27.1	29.4
3	55.0	54.6	55.1	54.9	32.0	26.3	28.9	30.9	26.8	28.9
4	55.4	54.6	54.5	54.8	32.7	26.7	30.2	31.6	28.3	30.0
5	54.8	54.8	55.4	55.0	30.9	25.7	29.3	29.5	27.2	28.7
6	57.3	57.0	57.4	57.2	31.7	23.7	29.2	31.1	26.7	29.0
7	56.9	55.8	56.2	56.3	31.5	23.8	28.8	30.6	26.3	28.6
8	55.0	54.0	54.4	54.5	32.7	24.3	29.4	32.0	26.8	29.4
9	54.1	54.1	54.8	54.3	32.9	24.7	29.0	31.9	26.7	29.2
10	56.5	56.7	57.5	56.9	32.4	26.0	29.2	31.7	27.0	29.3
11	58.5	58.1	58.3	58.3	32.5	24.9	28.6	31.8	27.3	29.2
12	57.3	56.0	55.2	56.2	32.5	25.3	29.5	31.9	27.2	29.5
13	53.7	53.0	52.8	53.2	32.4	25.2	29.2	31.7	27.5	29.5
14	52.6	52.5	52.8	52.6	32.5	26.4	29.7	32.1	27.4	29.7
15	54.1	54.0	54.3	54.1	32.3	26.8	29.1	31.7	27.8	29.5
16	54.8	54.7	55.3	54.9	33.4	26.3	30.4	32.0	27.9	30.1
17	55.3	54.5	54.8	54.9	32.8	25.6	29.2	31.7	27.9	29.6
18	55.3	54.5	54.7	54.8	32.8	25.6	29.8	31.9	27.7	29.8
19	55.7	55.2	55.2	55.4	33.2	26.3	30.0	32.4	27.8	30.1
20	56.1	55.7	55.7	55.8	33.4	26.2	30.3	32.2	28.2	30.2
21	56.2	55.6	55.0	55.6	33.2	26.5	30.3	32.9	28.1	30.4
22	55.3	54.7	55.6	55.2	32.8	24.8	29.9	32.1	27.8	29.9
23	56.1	56.4	57.1	56.5	32.6	25.3	29.8	31.7	27.4	29.6
24	58.0	57.8	58.3	58.0	32.3	24.8	28.9	31.7	27.2	29.3
25	59.8	59.3	59.0	59.4	32.3	24.5	29.4	31.8	26.9	29.4
26	58.0	57.1	56.5	57.2	32.0	25.2	29.7	31.7	27.4	29.6
27	56.6	56.2	56.5	56.4	31.7	24.5	28.7	31.2	27.2	29.0
28	56.8	56 2	56.8	56.6	32.2	24.3	29.2	31.7	26.2	29.0
29	56.8	56.3	56.8	56.6	32.3	25.3	28.2	31.7	27.7	29.2
30	57.2	57.0	57.7	57.3	32.7	24.9	29.4	32.1	27.0	29.5
31	58.3	58.4	58.6	58.4	32 2	24.0	28.9	31.7	26.2	29.8
	56.07	55.64	55.87	55.85	32.43	25.31	29.40	31.67	27.29	29.45

Barometer, range for month 759.8 mm. — 752.5 mm.
„ 71-yr. average for month 756.00 mm.
Thermometer, range for month 33.4°C — 23.7°C
„ 71-yr. average for month 28.57°C
Rain total for month 0.00 mm.
„ 71-yr average for month 0.45 mm.
„ Total, Sept. 1st. to end of month 681.48 mm.
„ 71-yr average. Sept. 1st. to end of month 892.30 mm.

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Date	Pressure of Water Vapor Millibars				Relative Humidity per cent.				sun.	Wind per day	Rain
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean	Hrs.	Kms.	m.m.
1	29.6	29.9	29.2	29.6	73	66	81	73	11.5	227	
2	28.1	29.4	29.2	28.9	69	63	82	71	11.9	295	
3	26.4	29.1	28.2	27.9	67	65	82	71	11.7	238	
4	30.0	31.8	31.3	31.0	70	67	81	73	9.7	544	
5	31.2	30.4	29.2	30.3	76	74	81	77	0 6	296	
6	25.9	24.6	23.9	24.8	62	54	68	61	11.6	417	
7	22.2	24.3	22 9	23.0	55	55	66	59	11.9	372	
8	25.2	27.2	28.1	26.8	62	58	80	67	11.7	190	
9	23.8	27.3	27.0	26.0	60	59	78	66	12.4	159	
10	27.1	27.9	26 6	27.2	67	59	74	67	11.9	172	
11	28.5	28.8	27.9	28.4	73	61	77	70	10.7	269	
12	28.5	28.6	29.8	29.0	70	61	83	71	11.9	299	
13	27.6	29.9	29.8	29.1	68	64	82	71	11.7	468	
14	29.6	30.2	29.8	29.9	72	63	82	72	11.5	154	
15	31.1	31.0	30.5	30.9	77	66	82	75	7.7	143	
16	29.6	32.2	31.2	31.0	68	67	83	73	9.7	159	
17	29.8	31.3	32.5	31.2	73	67	86	75	9.5	174	
18	28.9	31.2	31.5	30.5	70	66	85	74	11.2	204	
19	31.3	33.0	32.5	32.3	74	68	87	76	11.4	333	
20	29.7	32.8	32.1	31.5	69	68	84	74	11.4	270	
21	30.7	31.2	31.9	31.3	71	62	84	72	11.6	237	
22	30.0	31.0	28.8	29.9	71	65	77	71	11.3	386	
23	28.4	27.9	23.5	26.6	68	59	64	64	10.0	364	
24	22.8	22.0	23.1	22.6	57	47	63	56	10.7	303	
25	20.5	24.2	23.8	22.8	49	52	66	56	10.4	332	
26	21.7	24.3	23.9	23.3	52	53	66	57	9.7	389	
27	22.5	22.5	22.3	22.4	57	49	62	56	11.5	333	
28	22.4	23.1	23.3	22.9	53	49	69	57	11.5	225	
29	27.8	25.9	27.9	27.2	72	55	74	67	11.1	193	
30	26.7	27.6	26.9	27.1	65	58	75	66	9.9	286	
31	27.9	27.1	26.6	27.2	70	58	79	69	11.1	195	
	27.27	28.31	27.89	27.82	66.5	60.6	76.9	68.0	10.66	275.0	0.00

Height of Barometer above sea level : 33.7 meters.
Height of Thermometers above ground :
Dry and wet 1.25 m. ; Max. 1.30 m. ; Min. 1.50 m.
Hygrometric data from readings of wet and dry bulb thermometers exposed in a Stevenson screen, reduced according to M.O. 265.
Rim of Rain Gauge : above ground 0.66 m. ; above sea level 30.31 m.
Rainfall is read at 20:30 for the preceding 24 hours.
71 vear averages are for period, 1875-1945

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Date	Clouds clear—0 Overcast—10				Beaufort, scale Direction and force of wind			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	3st	0	0	1.0	3sw	2n	1n	light	
2	0	4cu-st	3st	2.3	3sw	3sw	2sw	,,	H.a.m
3	0	0	0	0.0	3sw	2n	0	,,	H.a.m.p.m
4	5st	5st	8st	6.0	2ne	3ne	3ne	,,	
5	10st	10st	10st	10.0	3w	2w	2sw	,,	
6	4st	0	6st	3.3	3sw	3w	3w	light	
7	0	5st-cu	0	1.7	3sw	3sw	2sw	,,	
8	2st	0	2st	1.3	2sw	3sw	1sw	,,	
9	0	0	0	0.0	2sw	2sw	1sw	,,	H.a.m.p.m
10	0	2st-ci	2st	1.3	2sw	3w	0	,,	
11	4st-ci	3st	0	2.3	1w	2w	2w	light	
12	2st-ci	2st-ci	0	1.3	3sw	3w	3w	,,	
13	0	2st-ci	0	0.7	4sw	3sw	2sw	,,	
14	4st	0	0	1.3	3sw	3sw	1sw	,,	H.a.m
15	5st	2st-ci	0	2.3	0	2n	0	,,	H.a.m.p.m
16	0	6st	9st	5.0	2w	3sw	1sw	calm	H.a.m.p.m
17	6st	2st	9st	5.7	3w	2n	3nw	light	H.a.m.p.m
18	4st	1st	2st	2.3	1w	3n	2w	,,	D.p.m
19	7st	0	0	2.3	3sw	2n	2n	,,	D.p.m
20	0	0	0	0.0	3sw	3n	0	,,	D.p.m.H.a.m.p.m
21	0	1st	0	0.3	3sw	3sw	1sw	light	D.p.m.H.a.m.p.m
22	6st-ci	1st	1st	2.7	3sw	3w	3sw	,,	
23	0	7st-cu	7st-ci	4.7	3sw	3sw	3sw	,,	H.a.m
24	3ci	3st-ci	7st-ci	4.3	3nw	3w	2sw	,,	Very clear
25	1ci	4st	6st	3.7	3w	2w	2w	,,	
26	1cu	1cu-st	8cu-st	3.3	2sw	3w	3sw	light	
27	2cu-st	3st	9st	4.7	2sw	3w	3w	,,	
28	2st	3st	0	1.7	3sw	2n	2n	,,	
29	4st	4st	9st	5.7	2w	2w	1w	,,	
30	3st-ci	7st	2st	4.0	2sw	2sw	2sw	,,	H.a.m.p.m
31	6st-ci	2st	0	2.7	2w	3sw	0	,,	
	mean			2.83					

Abbreviations: G = gale; H = haze; M = mist; T = thunderstorm; D = dew
W = strong wind; Tr = trace of rain

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8:30	0	1	0	0	0	20	8	1	1	31
14:30	8	1	0	0	0	11	11	0	0	31
20:30	3	1	0	0	0	14	7	1	5	31
Total	11	3	0	0	0	45	26	2	6	93

Number of days with rain 0, fog 0, thunderstorms 0, gale. 0
71 yr. av. number of days with rain during month 0.18
Time of reading minus 2 hours equals G.C.T